

# Zerto Cyber Resilience Vault

Ransomware threats and cyberattacks continue to grow in frequency, severity, and sophistication. A recent [study by IDC](#) found the majority of disaster recovery (DR) incidents in the previous 12 months were triggered by ransomware and malware. Enterprises need a strong, proactive strategy to not only prevent and stop attacks, but also recover after an attack has taken place.

What's more, cyber insurance companies are demanding that companies have better security, including data vaults. In the US, the SEC is proposing even stricter requirements for public corporations, including identifying parties responsible for cyber resilience strategy. The need for a comprehensive, rigorous approach has never been greater.

## Traditional Vaults Leave You at Risk

The common methods for addressing cyber resilience rely on risky vault technologies and architectures, which have multiple drawbacks. Chief among these is the speed of recovery—i.e. recovery time objective (RTO). Pulling from tape or rehydrating from lower tier storage can extend recovery by days or weeks. Scanning for clean copies prolongs the process even further, as does recovery onto anything other than production-grade arrays. In a ransomware scenario, it's imperative to quickly resume business operations, which legacy backup and archive solutions are not designed to do.

## Rapid Recovery with Zerto

Zerto, a Hewlett Packard Enterprise company, enables enterprises to architect and customize an ironclad recovery vault designed to mitigate even the most devastating ransomware attacks. The unique combination of hardware and software, including Zerto's industry-leading recovery solution, dramatically reduces data loss and downtime after an attack—and without having to pay any ransoms.

### The Zerto Advantage

#### Full Air Gap

Complete protection with an isolated, disconnected vault with no access to production infrastructure

#### Zero Trust Architecture

Security-hardened and expressly designed to protect and recover from the worst cyber threats

#### Real-Time Encryption Detection

Detect in seconds for the earliest warning alarm of an attack's encryption phase

#### Rapid Recovery

Orchestration & automation from Zerto combined with high-performance hardware from HPE deliver fast RTOs to mitigate ransomware

The Zerto Cyber Resilience Vault is based on HPE Alletra, HPE ProLiant, HPE Aruba Networking, and Zerto. The solution has three core pillars that use a decentralized zero trust architecture to achieve rapid air-gapped recovery.

### 1. Replicate and Detect

Streaming, near-synchronous data replication protects every production write in real time and immediately detects and alerts on any suspicious anomalies. Zerto's continuous data protection (CDP) is agentless, so there is nothing inside a protected VM that can be disabled or hijacked by malware.

### 2. Isolate and Lock

The vault itself also includes HPE ProLiant and HPE Alletra storage. This separated vault is air-gapped with no access to the internet or production network. It stores immutable data copies on secure, high-performance, FIPS-validated hardware.

### 3. Test and Recover

Easily identify clean restore points, then quickly recover entire multi-VM apps onto high performance storage—all while maintaining cross-VM consistency, even with thousands of VMs. Use Zerto's unique, battle-tested journal to unlock RTOs of minutes or hours, not days or weeks.

## Key Benefits



**Drastically Reduce Downtime & Data Loss:** Zerto's flexible architecture paired with its dynamic journal enables rapid recovery from ransomware and helps minimize any direct or indirect loss of revenue after an attack.



**Meet Compliance Needs:** Zerto's Cyber Resilience Vault aids in compliance with some of the most common regulations including HIPAA, GDPR, SOX, FISMA/NIST SP 800-34, and more.



**Simplicity at Scale:** Lower complexity with one vendor delivering a single solution comprised of best-of-breed products at every step in the recovery chain.

Contact us to see a demo, get bundle pricing, and hear what ransomware resilience can mean for your business.

[Learn More](#)

## About Zerto

Zerto, a Hewlett Packard Enterprise company, empowers customers to run an always-on business by simplifying the protection, recovery, and mobility of on-premises and cloud applications. Zerto eliminates the risk and complexity of modernization and cloud adoption across private, public, and hybrid deployments. The simple, software-only solution uses continuous data protection at scale to solve for ransomware resilience, disaster recovery, and multi-cloud mobility. Zerto is trusted by over 9,500 customers globally and is powering offerings for Amazon, Google, IBM, Microsoft, and Oracle and more than 350 managed service providers. [www.zerto.com](http://www.zerto.com)

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